ADAPTIVE LINK DELAY MANAGEMENT IN WIRELESS LINK SYSTEMS

Abstract of the Disclosure

Systems and methods for adapting IEEE 802.11 wireless communications for environments involving long propagation delays. Improved system throughput and stability are provided. Propagation delays are measured systematically and used to adjust contention timing boundaries and a common time slot duration. This reduces the probability of collision in the CSMA/CA mode of the IEEE 802.11 standard. One particular application is a point-to-multipoint campus bridge network.

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